

**● PRINTER RUSH ●**  
(PTO ASSISTANCE)

Application : 10/687544 Examiner : Palmer GAU : 2874  
From : CA Location : IDC FMF FDC Date : 5/18/05  
Tracking #: 06088404 Week Date: 3/21/05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449		<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS		<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>10/10/05</u>	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW		<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW		<input type="checkbox"/> Other
<input type="checkbox"/> DRW		
<input type="checkbox"/> OATH		
<input type="checkbox"/> 312		
<input type="checkbox"/> SPEC		

[RUSH] MESSAGE: Claim 7 ends with a Semicolon, not a period.  
please Resolve.  
Thank you  
CA

[XRUSH] RESPONSE: Corrected  
see copy attached

INITIALS: EP

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH. Doc. 9005/23  
REV 10/04

10/687,544

a first optical fiber segment optically coupling a first of the plurality of first optical fibers in the first cable to a first of the plurality of first optical fibers in the second cable;

a second optical fiber segment optically coupling a second of the plurality of first optical fibers in the first cable to a second of the plurality of first optical fibers in the second cable;

a first add/drop element located along the first optical fiber segment for dropping traffic at one or more selected wavelengths to the drop optical fiber of the third cable;

a second add/drop element located along the second optical fiber segment for adding traffic at one or more selected wavelengths to the add optical fiber of the third cable;

a first optical amplifier receiving the traffic from the first add/drop element and providing optical gain thereto;

a second optical amplifier receiving the traffic from the add optical fiber of the third cable and providing optical gain thereto

at least one electrically conductive path for supplying electrical energy from at least one of the electrical power conductors to each of the optical amplifiers.

7. The branching unit of claim 6 wherein the third cable includes a plurality of drop optical fibers and a plurality of add optical fibers and further comprising:

a third add/drop element located along the first optical fiber segment for adding traffic at one or more selected wavelengths from one of the plurality of add optical fibers to the first optical fiber segment;

a fourth add/drop element located along the second optical fiber segment for dropping traffic at one or more selected wavelengths to one of the drop optical fibers of the third cable. *MO*

*Period  
Added*

8. The branching unit of claim 7 further comprising

a third optical amplifier receiving the traffic from one of the plurality of add optical fibers and providing gain to the traffic directed to the third add/drop element;